

Installation Supply Buffer Overview & Discussion



Bill Grieco, DFAS-AHDB/IS



Items to Cover in Class

- Introduction
- Basic DIC's Processed
- STRF
- Dataquery
- User Questions & Problems



Introduction

- ISB is a database system located on the DECC
- Interactive
- Converts data to a format that STANFINS can read
- Contains Summary Records, supporting History Records and Tables
- No longer contains General Ledger, Regulatory Reports or Inventory



Introduction

- Made of a common database and a Installation database for each site
 - Common database contains Regulatory/Standard info (EOR, DICs, Regulatory Fund Codes, etc.)
 - Installation database contains installation specific info (Sellers, Customers, RIC Source of Supplies, etc.)



Requisition

- AO
 - SARSS1 DOC-NO
 - Don't Receive
 - Customer of AWCF
 - Create AR-DOC-SUM
 - System set-up commitment
 - Nothing to STANFINS
 - Customer of OMA
 - Create AR-DOC-SUM
 - Obligate customer (+TA23)
 - Credit Obligation to Supporting SARSS1 (-TA23)
 - supp address +obg date + eor-dsu



Supply Status

- AE - Positive Status
 - Customer DOC-NO
 - RIC matches RIC-SRC-SPY-TBL or DODAAC-SUP
 - Process Transaction & Send TA23 to STANFINS if needed
 - RIC doesn't match table
 - Post to TAC-HIS
 - OMA SARSS1
 - RIC matches RIC-SRC-SPY-TBL
 - Process Transaction & Send TA23 to STANFINS if needed
 - RIC doesn't match RIC-SRC-SPY-TBL
 - Only store to TAC-HIS



Supply Status

- AE - BM\$
 - Customer of AWCF
 - Creates obligation for STANFINS (+TA23 to customer)
 - Reduces AMT-CMT & populates AMT-OBG on AR-DOC-SUM
 - Customer of OMA
 - Reverses supporting SARSS1 credit (+TA23 to offset doc-no)
 - OMA SARSS1
 - Sets up AR-DOC-SUM
 - Sends obligation to STANFINS (+TA23 to OMA SARSS1)



Supply Status

- AE - Cancel (must have a matching ar-doc-sum)
 - Customer DOC-NO
 - RIC matches RIC-SRC-SPY-TBL or DODAAC-SUP
 - Process transaction & send TA23 to STANFINS if needed
 - RIC doesn't match tables
 - Only post TAC-HIS
 - OMA SARSS1
 - RIC matches RIC-SRC-SPY-TBL
 - Process transaction & send TA23 to STANFINS if needed
 - RIC doesn't match RIC-SRC-SPY-TBL
 - Only store TAC-HIS



Supply Status

- **Note:** 'c' in Pos 7 and C* status- will process no matter what RIC (MRF Cancellation)
- **Note:** Make sure CTASC & SARSS1 RICs are not loaded in the RIC-SRC-SPY-TBL



Issue

- A5A/I or D6K
 - AWCFF issue
 - Post Amt/Qty Issue of AR-DOC-SUM
 - Always process A5A
 - Nothing to STANFINS
 - OMA Issue
 - Process A5A when issued to own customer
 - Process D6K when issue is to another's customer or OMA SARSS1
 - Both post to Amt/Qty Issue
 - Generates
 - Charge to customer
 - Credit to issuing SARSS1



Issue

- D6S - Wholesale Receipt
 - All DOC-NOs post to AMT-ISS & QTY-ISS
 - Does no billings
 - Will only process up to the obligation on the ar-doc-sum
 - If no ar-doc-sum will process the first one, create an ar-doc-sum, and send a TA23 to STANFINS



Customer Turn-Ins

- D6A
 - All customer turnins use the NSN credit table
 - Customer turn-in to OMA
 - Setup CUS-RTN-SUM
 - FD2 - Customer Credit
 - FD1 - SARSS1 Debit
 - Sent to ODS and converted to cost transfers
 - Customer turn-in to AWCF
 - Setup DPO-RTN-SUM
 - Wait for CCSS to send credit bill



Retrograde

- D6K “f” or D6S “f”
 - All retrogrades use the NSN credit table
 - OMA SARSS1 Retrogrades to AWCF SARSS1
 - Setup DPO-RTN-SUM and wait for Credit Bill from CCSS
 - OMA SARSS1 Retrogrades to OMA SARSS1
 - Create credit interfund bill to shipper and debit to receiver
 - ODS converts to cost transfers
 - Doesn’t create any summary record
 - AWCF SARSS1 Retrogrades to AWCF SARSS1
 - Skip transaction
- FTZ - Only store to TAC-HIS since credit is determined by NSN



Interfund Bills from DAAS

- FD#
 - If matches DPO-RTN-SUM
 - assign AOCs and JO from dpo-rtn-sum
 - post AMT-CR-RECV & QTY-CR-RECV in DPO-RTN-SUM
 - FY will default to current year
 - If no matching DPO-RTN-SUM
 - assign AOCs based on source of supply
 - assign JO by taking doc-no to jo-asg-tbl
 - FY will default to current year



Interfund Bills from DAAS

- F## - (Not FD#)
 - Matching AR-Doc-SUM
 - AOC, JO & FY from the ar-doc-sum
 - Will post AMT-COL & QTY-COL in AR-DOC-SUM
 - Will create an adjusting TA23 if qty-obg = qty-col but amounts are not equal
 - No matching AR-DOC-SUM
 - assign JO from JO-ASG-TBL, AOC based on source of supply, and FY from CUS-CON-TBL

Bills will not be balanced or edited for dupli



DICs No Longer Processed

- AS*
- AU*
- A5J
- A5P
- DAC
- DAD
- D6J
- D6M
- D8*
- D9*
- FTM
- FTR
- XML
- YFF



Other Transactions Not Processed

- Any transaction that contains a Single Stock Fund AWCF DODAAC in the doc-no
- No transactions other than for the recon are received from STANFINS
- No transactions are received from the nonSARSS supply systems



ISB - STRF

- Installations have different access than the Field Sites
- Normally installations will have Query only
 - Field Sites will have Update/Add/Delete capabilities
- This is where the Field Sites will correct errors, make table changes and submit jobs (recons/batches)
- There are two ways to move in STRF:
 - By using the Menu's
 - By using FastPath's
- Field Sites will setup access for STRF



ISB-STRF

- Always look at the PF keys at the bottom of the screen
- When using canned queries in STRF, you must fill in all required information (no wild cards allowed)



FastPath

- Query Sum/Histories by Doc Number - (FP:247)
 - This query combines info from all the various summary and TAC-HIS records
 - Required info is the entire Document Number
 - You can then look at the various summaries
 - The TAC-HIS screen contains limited information for each TAC-HIS
 - Data can not be changed using these screens



FastPath

- Query Sum/Detail DOC-Number - (FP:243)
 - This is mainly used by sites that ran MOD prior to going to ISB
 - This displays GL postings by DOC-NO
- Query DOC Identifier Code - (FP:244)
 - Allows the user to enter a DIC and dates to look for all TAC-HIS records that match
 - Displays most of the info on the TAC-HIS
 - Displays transactions 1 transaction at a time



DataQuery

- Located in the same region as STRF
- All tables and records can be queried
- What you see in DQRY is how the database looks at that point in time
- Summaries show how a DOC-NO looks at a specific time. Histories show all transactions for DOC-NO
- You need read access to both the common database and your installation's database
- A set of generic queries are loaded at each DECC (name +-01)



AR-DOC-SUM

- This record is used to record obligations, issues/receipts and bills
- SARSS-ISB Recon compares the difference between Issue & Obligation of the AR-DOC-SUM and the HR1/GR1 files
- ISB - STANFINS Recon compares the difference between collection & obligation of the AR-DOC-SUM and the AUT/BUT files from STANFINS
- A0A for a customer of AWCF will create but only post commitment



AR-DOC-SUM

- Obligation field is equal to TA23s sent to STANFINS
- Off-Post customer will close when Obligation = Issue
 - bill code in cus-con-tbl equal 12 or 16
- On-Post customer will close when Obligation = Issue = Collection
 - bill code in cus-con-tbl equal 11
 - when dollars equal there is no adjusting TA23 sent
 - when quantities equal there is an adjusting TA23 sent to bring amt-obg into balance amt-col



DPO-RTN-SUM

- Records all returns to wholesale or to an AWCFF SARSS1
- AMT-CR-RTN is posted at Unit Price * Quantity from the incoming transaction
- AMT-CR-GRT is posted by taking NSN Table Unit Price * Quantity. This is the amount of credit ISB is expecting
- AMT-CR-DNI is the difference between AMT-CR-RTN and AMT-CR-GRT (Not all transactions populate this field)
- AMT-CR-RECV is the actual credit received (FD2 from DAAS)
- For Off-Post customers and returns with no credit expected the DPO-RTN-SUM closes upon turn-in
- For On-Post customers with expected credit the DPO-RTN-SUM closes when CR-GRT equals CR-RECV



CUS-RTN-SUM

- Records all customer returns to an OMA SARSS1
- AMT-CR-RTN is posted at Unit Price * Quantity from incoming transaction
- AMT-CR-ALW is posted at NSN Table Unit Price * Quantity
- AMT-CR-GVN is posted from the credit given the customer by OMA SARSS1
- Credit leaves ISB as an IF Bill and ODS converts to a cost transfer and passes to the proper STANFINS on the financial bridge



TAC-HISTORY

- All the supporting individual transactions for the summary records
- TAC-Histories are split by DIC
- Incoming transactions add records to TAC-HIS
 - They don't overlay/delete
- TAC-HIS records archive off with their matching summary records



DOC-CTL

- Record used by system to link all occurrences of a DOC-NO within the system
- Tells location of history records and which summary records they support
 - SUM-REC-CD = R - AR-DOC-SUM
 - U - Unused
 - D - DPO-RTN-SUM
 - T - CUS-RTN-SUM



JO-ASG-TBL/CUS-CON-TBL

- These tables work together to assign customer information
- JO-ASG-TBL (old type 5)
 - Used to assign JO/FC-CUS to incoming transactions
- CUS-CON-TBL (old type 1 & 2)
 - Stores info needed for transaction processing
- When a customer needs to be deleted, they should be deleted out of the JO-ASG-TBL but not the CUS-CON-TBL until all AR-DOC-SUM records are closed
- ISB can assign JOs for Off-Post customers, the DODAAC & their JO must be loaded in both the JO-ASG-TBL & CUS-CON-TBL



JO-ASG-TBL/CUS-CON-TBL

- All valid customer & OMA SARSS1 DODAACs must be loaded
- The assigned JO or FC-CUS from the JO-ASG-TBL must match the CUS-CON-TBL
- All DODAACs should be loaded in the JO-ASG-TBL with a default JO/FC-CUS
- In the CUS-CON-TBL all customers must be loaded as daily interfund
- Bill code = 1 1 On-Post 1 2 Off-Post
 1 6 Off-Post no TA23



JO-ASG-TBL/CUS-CON-TBL

- Problems with these tables cause the most errors for new ISB installations
 - Problems include:
 - No Default JO-ASG-TBL record
 - JO-ASG-TBL loaded with dummy JO 'ZSAR' but not loaded in CUS-CON-TBL
 - JO-ASG-TBL doesn't match CUS-CON-TBL



CNSR-OBG

- Record contains all TA23s waiting to be sent plus any TA23s sent in the last 7 calendar days
- OBG-DT shows date ISB created the TA23
- System combines records by DOC-NO, SFX-CD, FY, JO, BLK-CD & RCC-CD
- ISB will delete cnsr-obgs that net to 0.00 because TA23s for 0.00 are not sent to STANFINS
- When record reaches the 7th day, the record is deleted
- RCC-IDC tells if record was created from a recon. Recon TA23s are output to different file than normal business TA23s
- Off-Post TA23s contain a LI = K



PY-OBG-RUTL

- This record contains all money that is available for reuse.
 - Edits are DODAAC (DOC-NO), JO, and FSC
 - Stays available for 180 days
 - System automatically reuses if incoming transaction meets criteria



Other Records

- DODAAC-TBL
 - Contains all SARSS1 DODAACs
- BAT-INP-HDR
 - Contains all batches on the system & status of each batch
 - System deletes 3 days after batch is completely processed and 6 days after batch is deleted
- BAT-INP-DTL
 - Contains all incoming detail transactions
 - Gives the status of each transaction (processed/erred)
 - If 1 transaction errors, it does not keep the rest of the batch from processing



Other Records

- AR-IF-BILL-SUM / AR-IF-BLL-DTL
 - Contains cost transfer (IF Bill) information created by ISB for OMA to OMA transactions
 - This information is sent to ODS to be converted into cost transfers
- SYS-ISL
 - Contains installation specific information used by ISB
- RIC-SRC-SPY-TBL
 - Contains valid wholesale and Prime Vendor RICs
 - Should not contain CTASC or SARSS1 RICs
- ISS-REF-SUM
 - If used would contain information on DOC-NOs that had been referred Off-Post



Other Records

- EOR-TBL NSN-EOR-TBL EOR-ASG-TBL
DLR-IDC-TBL AST-CD-TBL
 - These tables are all used in the assignment of the EOR
- BAT-QUE
 - This record holds all jobs waiting to be run
- NIIN-CR-PIE
 - Table from LOGSA containing serviceable & non serviceable credit price
 - ISB does not change, it is loaded in total each time it is loaded



Other Records

- RCC
 - New internal table used in the SARSS to ISB Reconciliation process
 - Contains HR1 & GR1 information to be compared to ISB
 - HR1 data will be populated for all customers
 - GR1 data will be populated for OMA SARSS1 & customers of OMA
- UO-RCC
 - This table is used in the ISB to STANFINS Recon
- EOP-RTI-PD-TBL
 - Contains the retention time for each summary code



Other Records

- BAT-OUT-HDR
 - Contains a record for each output file and report that has been produced
 - Stays on system based on retention period (RTI-CUT)
- BAT-OUT-DTL
 - Contains an image of all output files created
 - Stays on ISB till BAT-OUT-HDR is deleted
- BAT-RPT-DTL
 - Contains an image of all output reports (Hard Copy) created
 - Stays on system till matching BAT-OUT-HDR is deleted
- FC-TBL
 - Contains Regulatory Funds Codes and is maintained by DFAS-IN



Helpful Web Sites

- <http://aepps.army.mil>
 - internet training (more guidance will be coming)
- <https://www.army.mil/ssf/>
 - SSF website
- <https://dfas4dod.dfas.mil/centers/dfasin/ddfo/dcd>
 - Operations order
- <https://dfas4dod.dfas.mil/centers/dfasin/systems/ods>
 - ODS website
- indysinglestockfund@dfas.mil
 - email for single stock fund office



Error Correction

- Invalid DODAAC/FC/JO Combination
 - Need to validate incoming data to JO-ASG-TBL & CUS-CON-TBL
 - Add/change JO-ASG-TBL or CUS-CON-TBL
 - May need to contract installation
- Invalid Signal Code
 - Change Signal Code to 'A'
- Invalid RIC Source of Supply
 - Need to check if a valid wholesale source of supply, if so add to RIC-SRC-SPY-TBL
 - Make sure AJ2 is loaded



Error Correction

- Invalid Unit Price/Field is Required
 - Unit price/extended amount is zero
 - Coordinate with installation on how they want handled
 - Screen print & delete
 - Screen print & populate with default value (e.g. \$.01)



Customer Info Assignment

JO-ASG-TBL

DODAAC

W23ABC

W23ABC

W44KN3

W44KN3

W44KN3

FC-CUS

AB

AB

01

JO-ASG

1234

ZSAR

ABCD

BBCC

AADD

CUS-CON-TBL

DODAAC

W23ABC

W69AZC

W44KN3

W44KN3

W44KN3

FC-CUS

01

JO

1234

ABCD

BBCC

AADD



Bill Grieco

DSN 699-7688

Com 317-510-7688

william.grieco@dfas.mil